

Site Report

ESCC Meeting
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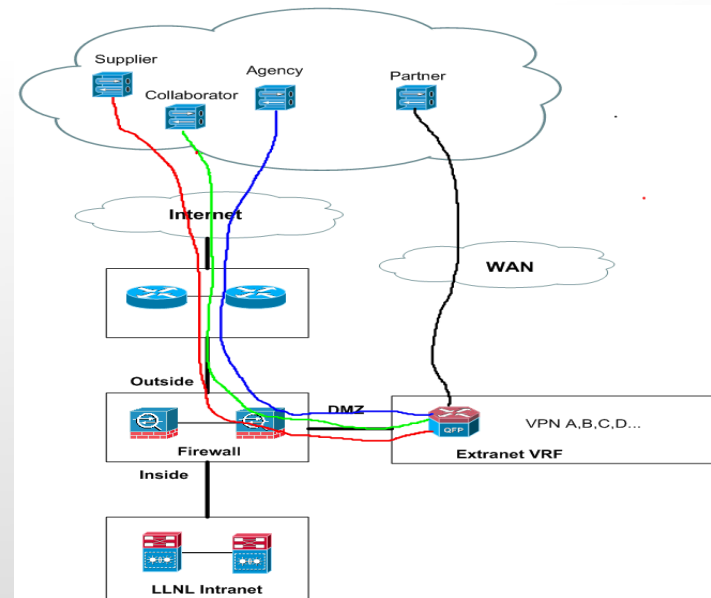
This work was performed under the auspices of the U.S. Department of Energy by Lawrence Livermore National Laboratory under contract DE-AC52-07NA27344. Lawrence Livermore National Security, LLC



Accomplishments

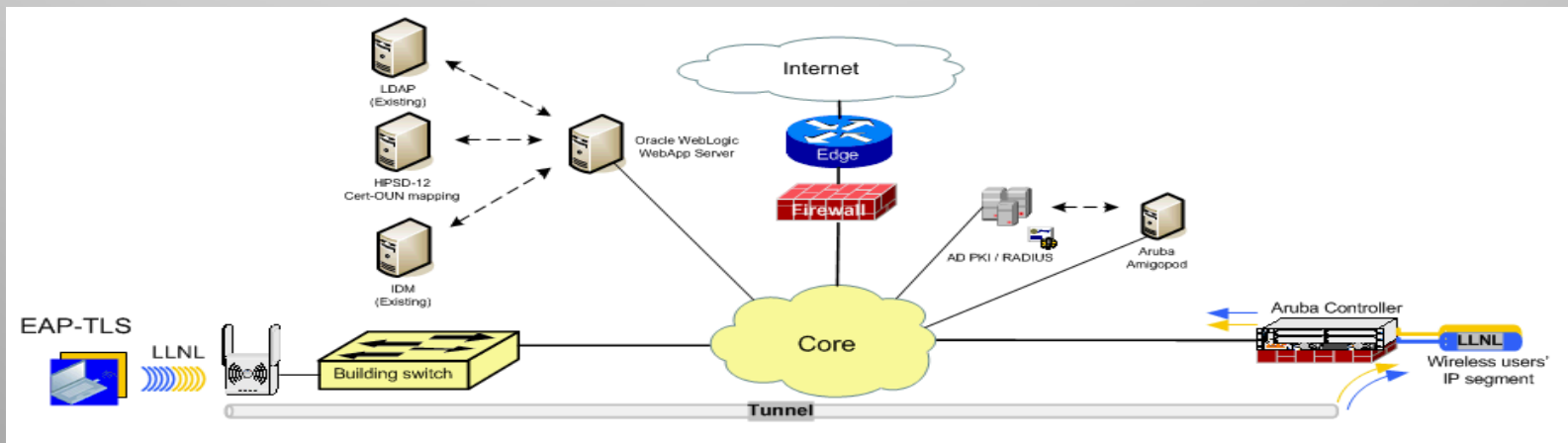
- Extranet Environment

- Site-to-site VPN
 - Cisco ASR1006



- Wireless on restricted network Proof of Concept

- 2-factor auth: AD PKI Cert and HSPD-12 Card



On-going Projects

- Network Refresh
 - Since FY11, continuing to replace EOL equipment
- Next Generation Firewall Deployment
 - Performs IPS, filters web content, restricts internet access via captive portal authentication
 - Future: ssl inspection, application inspection, NAC
- Data and Voice Network Consolidation
- Video Conferencing solutions
 - Telepresence systems, Jabber
- Wireless Authentication in support of mobile devices

Currently No Funding

- IPv6 Adoption / Deployment
 - Completed IPv6 Address schema
 - Enabled IPv6 presence on the edge
 - Defined approach, equipment, effort
 - Modified Oracle backend to support home grown IPAM
 - IPv6 subnets
 - AAAA/v6.arpa DNS records

